CLAIMS

- 1. A radio transmitting apparatus of a multicarrier system in which data is transmitted simultaneously to a plurality of receiving stations using subcarriers, said radio transmitting apparatus comprising:
- a blocking section that divides subcarriers into blocks;
- a scheduler that selects a receiving station on a block unit basis; and
- a controller that adaptively varies a number of subcarriers per block for each receiving station based on a propagation environment of a receiving station.
- The radio transmitting apparatus according to claim
 the radio transmitting apparatus according to claim
 the radio transmitting apparatus according to claim
 wherein said controller determines a number of
 subcarriers per block based on a maximum delayed waveform
 delay time of a received signal received by said receiving
 station.
- 20 3. The radio transmitting apparatus according to claim 2, wherein said controller determines said number of subcarriers per block W×τmax subcarriers, where W is a bandwidth of said subcarriers and τmax is said maximum delay time.

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4. A radio communication terminal apparatus equipped with the radio transmitting apparatus according to claim 1.

5. A radio communication base station apparatus equipped with the radio communication apparatus according to claim 1.

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6. A radio transmission method of a multicarrier system in which transmission is performed simultaneously to a plurality of receiving stations using subcarriers;

wherein subcarriers are divided into blocks, a

receiving station is selected on a block unit basis, and
a number of subcarriers per block is varied adaptively
for each receiving station based on a propagation
environment of each receiving station.